

INTERNATIONAL SEARCH REPORT

Intern. Application No

PCT/IB 03/05034

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F21V17/04 F21V13/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F21V H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 20 49 362 A (KUNSTSTOFF SONDERBAU GOENNER &) 13 April 1972 (1972-04-13) page 4 claims 1-3 figures 1-4	1-4
A		5
Y	EP 0 336 478 A (PHILIPS NV) 11 October 1989 (1989-10-11) cited in the application page 2, line 49 - line 52 page 3, line 27 - line 33 figure 1	1-4,6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

3 February 2004

Date of mailing of the international search report

12/02/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 935 660 A (GUREL MANFRED ET AL) 19 June 1990 (1990-06-19) column 3, line 50 - column 4, line 25 column 4, line 36 - line 48 column 5, line 19 - line 38 figures 1-3	6
A	-----	1-4, 7-9

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Information on patent family members

Int.

Application No

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
DE 2049362	A	13-04-1972	DE	2049362 A1	13-04-1972
EP 0336478	A	11-10-1989	DE	68906946 D1	15-07-1993
			DE	68906946 T2	05-01-1994
			EP	0336478 A1	11-10-1989
			US	4914557 A	03-04-1990
US 4935660	A	19-06-1990	DE	8803881 U1	11-05-1988
			CA	1309451 C	27-10-1992
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			EP	0334208 A2	27-09-1989